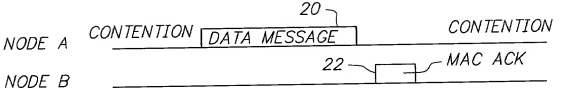

FIG. 1A
(PRIOR ART)

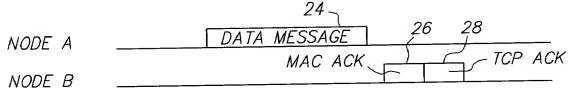

FIG. 1B

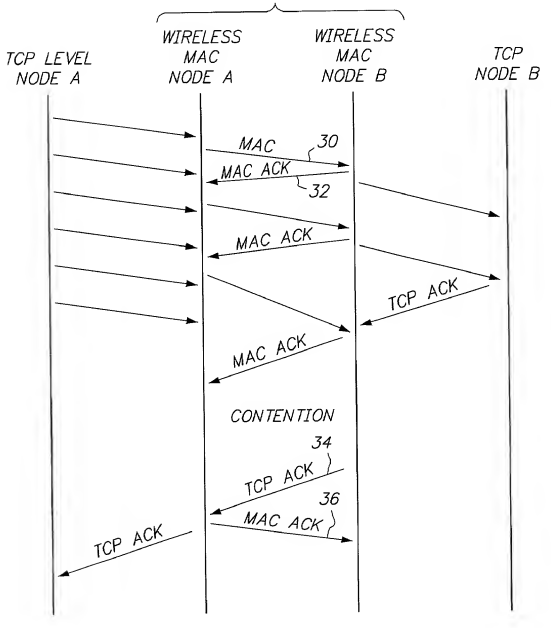

FIG. 2A
(PRIOR ART)

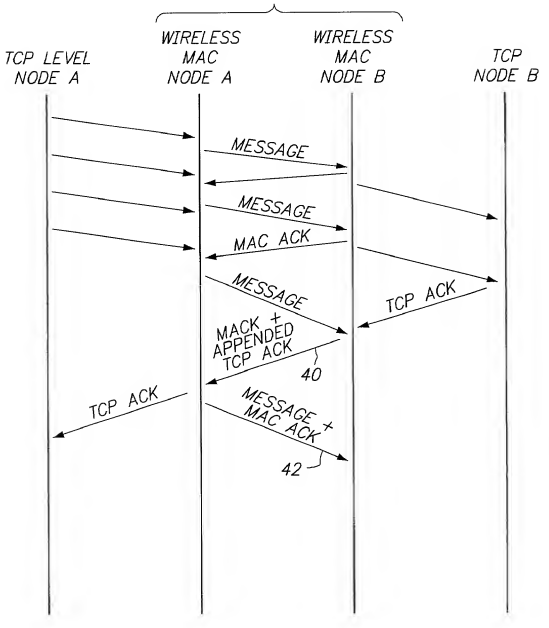
WIRELESS MAC NODE A
WIRELESS MAC NODE B
TCP LEVEL NODE A
TCP NODE B
MESSAGE
MESSAGE
MAC ACK
MESSAGE
TCP ACK
MACK + APPENDED TCP ACK
40
TCP ACK
MESSAGE + MAC ACK
42

FIG. 2B

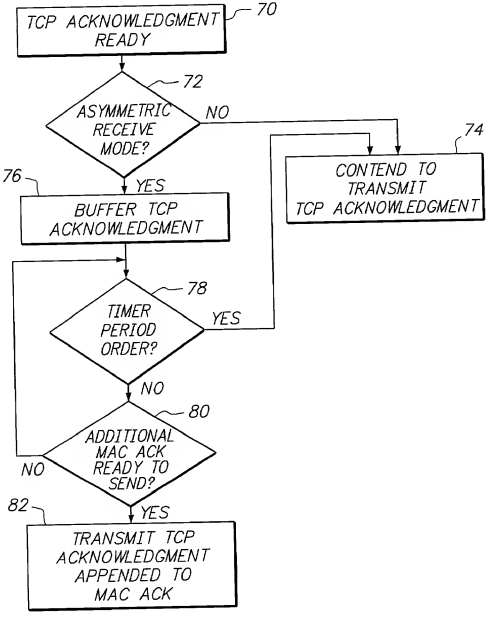
TCP ACKNOWLEDGMENT READY
70
72
ASYMMETRIC RECEIVE MODE?
NO
74
CONTEND TO TRANSMIT TCP ACKNOWLEDGMENT
YES
76
BUFFER TCP ACKNOWLEDGMENT
78
TIMER PERIOD ORDER?
YES
NO
80
ADDITIONAL MAC ACK READY TO SEND?
NO
YES
82
TRANSMIT TCP ACKNOWLEDGMENT APPENDED TO MAC ACK

FIG. 3